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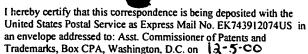
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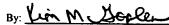
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PATENT Attorney Docket No. 17663J-004500 Client Ref. 462-96-004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

KELLY EUGENE DILLARD et al.

Application No.: 08/861,989

Filed: May 22, 1997

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INTERNET

Examiner: Y. Retta

Group Art Unit: 2764

DECLARATION OF KELLY DILLARD, DAVID GODDARD AND DAVID LYNN SMITH

Box CPA

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

- I, Kelly Dillard of Olathe, Kansas, David Goddard of Overland Park, Kansas and David Lynn Smith of Olathe, Kansas declare:
- 1. In the latest of the invention as claimed in claims 3-24 to practice by conducting a proof of concept demonstration of the invention using the code/data files attached as Exhibits A, B and C to this Declaration and to the Supplemental Declaration of Dillard and Goddard dated July 26, 2000.
- 2. Exhibits A, B and C contain a partial source code listing and a Windows directory listing of code useful for: encrypting software data as a function of a unique software key of a receiving electronic unit and for decrypting, using the unique software key, that encrypted software data uploaded to said electronic unit as is described in claims 13-20 and 24 of the present application.
- 3. Exhibits A, B and C contain a partial source code listing and a Windows directory listing of code useful for: applying a unique software key to each of the one or more receiving electronic units, encrypting software code/data as a function of a single software key, transmitting the encrypted software code/data from the transmitting electronic unit over the



Kelly Eugene Dilla tal. Application No.: 08/861,989

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communication link to the one or more receiving electronic units and decrypting the transmitted, encrypted software code/data at the one or more receiving electronic units according to the single software key used to encrypt the software code/data and the unique software key as presently claimed in claims 3-12 and 21 and 23.

The undersigned further declares that all statements made herein are of his own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application of any patent thereon.

Signature: Kelly Dillard Post Office Address: 20120 W. 121st Lane Olathe, KS 66061 Date: 11/29/00 Signature: David Goddard Post Office Address: 9608 West 104th Terrace Overland Park, KS 66212 Date: 1428-NOV-2000 Signature: David Lynn Smith 2137 E. 155th St Post Office Address: 553 N. Murlen, Apt. 300 Olathe, KS 66062 Date:

TOWNSEND and TOWNSEND and CREW LLP

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Tel: (206) 467-9600 Fax: (415) 576-0300

JCS:kmg SE 5005456 v1

```
/*+module definition**********************
** Copyright (c) AlliedSignal Inc.
** Name
               : CRYPTDB
** Description : This module is a very crude attempt to encrypt the dat
                 file used by KLX100.EXE. The encryption has a cumulat
ive
                 randomizing effect on the output data, but is of cours
                 not bullet-proof from super-sleuth crypt experts.
** Global Procedures:
    Name
                                Type
                                        Abstract
** Header for Code Management Software
****-*/
#include <stdio.h>
#include <stdlib.h>
#include <io.h>
#include <stdarq.h>
#define FALSE 0;
#define TRUE 1;
#define MIDX_135
                        0x80
                                        /* master index location for KL
X 135 */
#define MIDX 90
                        0x42
                                        /* master index location for KL
N 90 */
#define MIDX RS 135
                                        /* 14 bytes per index entry */
                        14
#define MIDX RS 90
                                        /* 3 bytes per index entry for
90 .+/
#define TAG SIZE
                        162
                                        /* 162 total bytes tagged on en
d */
#define KLN90_TYPE 1
#define OTHER_TYPE 2
typedef unsigned char BYTE;
/* KLN 90 database modified memory structure */
```

typedef struct

```
/* Compute table of CRC's */
    crc_32_tab[0] = 0x00000000L;
    for (i = 1; i < 256; i++)
        c = 0;
        for (k = i \mid 256; k != 1; k >>= 1)
            c = c \& 1 ? (c >> 1) ^e : c >> 1;
            if (k & 1)
               c ^= e;
        crc_32_tab[i] = c;
/* compute a CRC for a given byte stream
unsigned long get_crc( void *buffer, register int length )
    register unsigned long crcval = 0xfffffffff;
    register BYTE *b = buffer;
   while (length--)
       crcval = crc_32_tab[((BYTE) crcval ^ (*b++)) & 0xff] ^ (crcval
   return -crcval;
/*----
/* update a running CRC with a single byte
void update_crc( BYTE c, unsigned long *crc )
   *crc = crc_32_tab[((BYTE)*crc ^ c) & 0xff] ^ (*crc >> 8);
```

```
** Copyright (c) AlliedSignal Inc. 🔳
** Name
             : UNCRYPT
** Description : This module is an "antidote" for a database file which
               been encrypted by CRYPTDB.EXE.
** Global Procedures:
** Name
                           Type
                                  Abstract =
** Header for Code Management Software
****-*/
#include <stdio.h>
#include <stdlib.h>
#include <io.h>
#define TAG_SIZE 162
typedef unsigned char BYTE;
void gen_crc_tab( void );
unsigned long get_crc( void *buffer, register int length );
void update_crc( BYTE c, unsigned long *crc );
void main( void )
   FILE *infp:
   FILE *outfp;
   unsigned long 1CRC32;
   long int i, llen;
   BYTE b, cInByte;
   char infname[80];
   char outfname[80];
   long int    db_stamped key;
                                        /* database key read fr
om file */
   do
```

```
for (i = 0; i < sizeof(p)/sizeof(int); i++)</pre>
        e \mid = \tilde{1}L \ll (31 - p[i]);
    /* Compute table of CRC's */...*
    crc_32 tab[0] = 0x00000000L;
    for (i = 1; i < 256; i++)
        c = 0;
        for (k = i | 256; k != 1; k >>= 1)
            C = C \& 1 ? (C >> 1) ^e : C >> 1;
            if (k & 1)
                c ^= e;
        crc_32_tab[i] = c;
    }
}
/* compute a CRC for a given byte stream
unsigned long get_crc( void *buffer, register int length )
    register unsigned long crcval = 0xfffffffff;
    register BYTE *b = buffer;
    while (length--)
        crcval = crc_32_tab(((BYTE) crcval ^ (*b++)) & 0xff] ^ (crcval
>> 8);
    return ~crcval;
----*/
/* update a running CRC with a single byte
void update_crc( BYTE c, unsigned long *crc )
    *crc = crc_32_tab[((BYTE)*crc ^ c) & 0xff] ^ (*crc >> 8);
```

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Name	Modified	Size	Ratio	Packed	Path
Cryptdb.c	1:11 PM	14,581	68%	4.686	
Uncrypt.c	10:45 AM	5,451	62%	2.048	
2 file(s)	•	20.032	66%	6 734	

EXHIBIT C

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